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TITLE: Oilproofing and waterproofing agents for finishing
textiles

PATENT ASSIGNEE(S): Daikin Kogyo Co., Ltd., Japan

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PATENT INFORMATION:

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AB Fluoropolymer compns. contg. a mixt. of a salt of RNMe₂ or RN+Me₂R₁X⁻, where R is C₈-18 alkyl, R₁ is H or C₁-3 alkyl or benzyl, and X⁻ is a neg. ion, and a nonionic emulsifier at 20-60:40-80 wt. ratio were useful for waterproofing and oilproofing of textiles. Thus, 60 parts of a compn. contg. (CF₃)₂CF(CF₂CF₂)_qCH₂CH₂O₂CCH:CH₂(q = 3, 4, 5) at 5:3:1 wt. ratio was mixed with 38 parts stearyl ***acrylate*** and 2 parts N-methylolacrylamide. An emulsifying compn. (8 parts) contg. 60% trimethylstearylammmonium chloride [112-03-8] and 40% polyethylene glycol monolauryl ether (I) [9002-92-0] was added and the mixt. was polymd. to give a polymer (II) [***75132-94-4***] ***latex***. Polyester-cotton blend (65:35) was immersed in a compn. contg. II (0.4% solids) prepd. in the presence of the emulsifying compn., squeezed, dried, and heat-treated 3 min. Resistance to water and oil was good for the treated fabric, whereas this resistance was poor for the fabric treated with a similar compn. without I.

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